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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/063,148	03/26/2002	Tatsuya Anma	SIMTEK6327	2722

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EXAMINER

NGUYEN, HANH N

ART UNIT

PAPER NUMBER

2834

DATE MAILED: 06/04/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/063,148

Applicant(s)

ANMA, TATSUYA

Examiner

Nguyen N Hanh

Art Unit

2834

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 February 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) 9 and 19 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4, 7 and 8 is/are rejected.
- 7) ☒ Claim(s) 5, 6 and 11 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 March 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____. 6) ☐ Other: _____.

DETAILED ACTION

Remarks

1. In view of amendments, the Examiner withdraws the rejection under 35 U.S.C. 112, second paragraph, to claim 3. The cancellation of claims 9,10 and the addition of claim 11 have been acknowledged.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-4,7,8 are rejected under 35 U.S.C. 102(b) as being anticipated by Kanayama.

Regarding claim 1, Kanayama discloses a rotor (8a and 8b) for a rotating electrical machine comprised of a cylindrical portion (outside rim of 8b as shown in Fig. 1) carrying a plurality of spaced permanent magnets, a hub portion (the inside cylindrical portion of 8b surrounds the shaft as shown in Fig. 1) adapted to be affixed to a rotatable shaft, an interconnecting disk shaped portion for interconnecting said cylindrical portion and said hub portions (Fig. 11), and a plurality of cooling openings (17) formed in said interconnecting disk shaped portion, said cooling openings being defined by inclined leading edges in the direction of rotation of said rotor for promoting a cooling flow axially through said interconnecting disk shaped portion (Fig. 1,11,14.)

Regarding claim 2, Kanayama also discloses a rotor for a rotating electrical machine wherein the cylindrical portion and the interconnecting disk shaped portion are integral with each other.

Regarding claim 3, Kanayama also discloses a rotor for a rotating electrical machine wherein the hub portion is integral with the cylindrical and interconnecting disk shaped portions.

Regarding claim 4, Kanayama also discloses a rotor for a rotating electrical machine wherein the interconnecting disk shaped portion extends radially inwardly from the cylindrical portion at one side thereof.

Regarding claim 7, Kanayama also discloses a rotor for a rotating electrical machine wherein the cooling openings occupy the major portion of the interconnecting disk shaped portion so that the remaining areas of said interconnecting disk shaped portion comprise spokes (because the aperture 17 is inclined with the angle approximately 45 degrees, the openings occupy the major portion of the interconnecting disk shaped portion as shown in Fig. 11).

Regarding claim 8, Kanayama also discloses a rotor for a rotating electrical machine wherein one axial side of the spokes is inclined from one side thereof to the other side.

Response to Arguments

4. Applicant's arguments with respect to claim 1 have been considered but are moot in view of the new ground(s) of rejection.

Allowable Subject Matter

5. Claims 5,6,11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. The following is a statement of reasons for the indication of allowable subject matter: the prior art of record does not show a rotor for a rotating electrical machine comprised of a cylindrical portion carrying a plurality of spaced permanent magnets, a hub portion adapted to be affixed to a rotatable shaft, an interconnecting disk shaped portion for interconnecting said cylindrical portion and said hub portions, a plurality of cooling openings formed in said interconnecting disk shaped portion said cooling openings being defined by inclined leading edges in the direction of rotation of said rotor and a plurality ribs equal in number to the openings extending axially outwardly from said interconnecting disk shaped portion and juxtaposed to one side of said openings.

Conclusion

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory

period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Information on How to Contact USPTO


8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hanh N Nguyen whose telephone number is (703)305-3466. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor Ramirez can be reached on (703)308-1371. The fax phone numbers for the organization where this application or proceeding is assigned are (703)305-3431 for regular communications and (703)305-3431 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)308-1782.

HNN

May 21, 2003


NESTOR RAMIREZ
SUPERVISOR
EXAMINER
2003